

1MM and 3MM Metering Stack Modules



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Residential Meter Stacks

Features, Benefits and Functions

A. Barrier

Meter socket and tenant main breaker/wireway sections are separated by a solid metal barrier to guard un-metered bus against power theft.

B. Tenant Breaker

Reliable bus bar-to-bus bar connection. 200A modules accept bolt-on breakers 60–200A. 125A modules accept 15–125A plug-on breakers.

C. Moveable Phase Connector

Four-wire horizontal bus lets you use any 3MM module for single- or three-phase incoming service. Shipped with A and B phase connection, phase balancing is easily accomplished in the field by moving one, front-accessible phase connector post per module.

D. Neutral Assembly

A convenient termination for neutral conductors is in the wireway of each module.

E. Enclosed Horizontal Bus

Added security because a non-removable barrier encloses the 800 or 1200A horizontal bus passing through tenant breaker section.

F. Equipment Ground Bar

Factory installed in side gutter, a standard feature that's moveable to the top or bottom gutter.

G. Raintight Cap

Shipped on each outdoor meter module and main device.

H. Knockouts

Tangential in bottom endwall.

I. Superior Finish

Rust inhibiting phosphate primer and gray baked enamel is standard. All outdoor enclosures are of galvanized steel construction.

J. Meter Socket

Our unique meter socket base is installed without any fasteners—reducing chances for hot spots, easily replaceable, and improves connection to vertical bus.

K. Bus Connection

Mains and modules slip together quickly and smoothly with front-accessible captive bolts securing the juncture without removing socket interiors or bus access plate. Main bus joint bolts torque to 25 foot pounds.

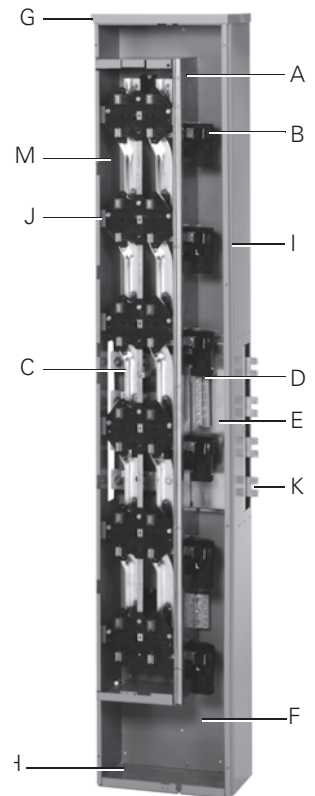
L. Separate Wireway Cover

Separate covers allow easy access to tenant breaker and wireway section, permit work on breakers or in wireway without disturbing meters or meter covers. (Not shown.)

M. Vertical Bus Bar

One-piece vertical bus bar from phase balancing joints to meter socket eliminating any chance for hot spots.

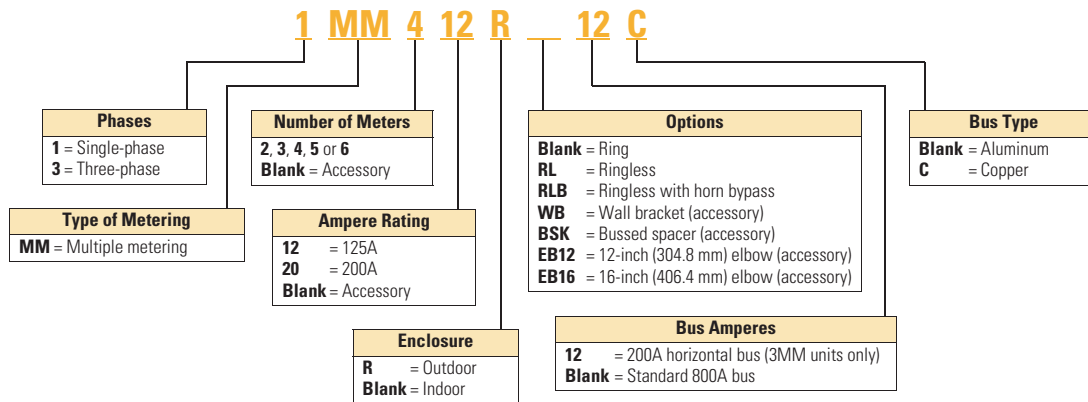
1MM Meter Stack Module



- Eaton's 1MM stacks are single-phase in, single-phase out design
- Eaton's 3MM stacks are three-phase in, single-phase out design
- Stacks with single-phase horizontal bus are rated 240/120V, single-phase, three-wire. Stacks with three-phase horizontal bus are rated 208Y/120V, three-phase, four-wire, but can be used on 240/120V, three-phase, four-wire delta systems
- All three-phase horizontal bus modules have four-wire cross bus, connected A-B phase to vertical bus, readily reconnectable for phase balance on installation
- Short-circuit ratings up to 100,000A rms symmetrical depending upon AIC rating of installed main tenant circuit breakers and main device
- Main tenant feeders can exit bottom or back. Knockouts are available at all exit locations
- If being used in outdoor application and exiting the top, mount Myer type hubs on rainproof cap
- Provision for two-pole breaker (plug-on type for 125A sockets and bolt-on type for 200A sockets)—circuit breakers not included
- Mechanically and electrically built to bolt-up with main service modules and commercial modular metering stacks
- Aluminum or copper bus
- 800 or 1200A horizontal bus
- All 3MM stacks include fifth jaw at 9 o'clock position
- All 1MM stacks do not include fifth jaw. Order 1MM5JK if needed

Note: Individual sockets cannot be phase balanced, only each stack.

Catalog Number Selection



When Ordering:

- Determine catalog number of Main Service Module.
- Determine catalog number of Meter Stack (Residential or Commercial).
- Find quantity and catalog numbers for tenant circuit breakers (found on **Page V1-T5-127** or **V1-T5-137**). Order one breaker per socket.
- If any accessories are needed, order from **Pages V1-T5-138** and **V1-T5-139**.

Product Selection

1MM and 3MM
Metering Stack
Modules



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800A Horizontal Aluminum Bus—Standard Offering

Amperes Per Meter Socket	Number of Meter Sockets	Bus Ampacity	Enclosure Type ^①	Main Tenant Breaker Type (For Specific Catalog Numbers, Refer to Page V1-T5-127)	Single-Phase In, Single-Phase Out Single-Phase Horizontal Bus (Three Horizontal Bus Bars—A, B and Neutral) ^② Catalog Number	Three-Phase In, Single-Phase Out Three-Phase Horizontal Bus (Four Horizontal Bus Bars—A, B, C and Neutral) Catalog Number
Ring Style Meter Socket Covers						
125 ^③	2 ^④	800	Indoor/outdoor	BR2_ BRH2_ BRHH2_	Use three-phase	3MM212R
	3 ^④	800	Indoor/outdoor		1MM312R	3MM312R
	4	800	Indoor/outdoor		1MM412R	3MM412R
	5	800	Indoor/outdoor		1MM512R	3MM512R
	6	800	Indoor/outdoor		1MM612R	3MM612R
	200 ^⑤	2	800	Outdoor	CCV2_X, CHH2_H2X CHH2_H4X, CHH2_X	Use three-phase
3		800	Outdoor		1MM320R	3MM320R
4		800	Outdoor		1MM420R	3MM420R
5		800	Outdoor		1MM520R ^⑥	3MM520R ^⑥
Ringless Style Meter Socket Covers						
125	2	800	Outdoor	BR2_ BRH2_ BRHH2_	Use three-phase	3MM212RRL
	3	800	Outdoor		1MM312RRL	3MM312RRL
	4	800	Outdoor		1MM412RRL	3MM412RRL
	5	800	Outdoor		1MM512RRL	3MM512RRL
	6	800	Outdoor		1MM612RRL	3MM612RRL
	200	2	800	Outdoor	CCV2_X, CHH2_H2X CHH2_H4X, CHH2_X	Use three-phase
3		800	Outdoor		1MM320RRL	3MM320RRL
4		800	Outdoor		1MM420RRL	3MM420RRL
5		800	Outdoor		1MM520RRL ^⑥	3MM520RRL ^⑥
Ringless Style Covers with Horn Bypass						
125	2	800	Outdoor	BR2_ BRH2_ BRHH2_	Use three-phase	3MM212RRLB
	3	800	Outdoor		1MM312RRLB	3MM312RRLB
	4	800	Outdoor		1MM412RRLB	3MM412RRLB
	5	800	Outdoor		1MM512RRLB	3MM512RRLB
	6	800	Outdoor		1MM612RRLB	3MM612RRLB
	200	2	800	Outdoor	CCV2_X, CHH2_H2X CHH2_H4X, CHH2_X CHH2_H4X, CHH2_X	Use three-phase
3		800	Outdoor		1MM320RRLB	3MM320RRLB
4		800	Outdoor		1MM420RRLB	3MM420RRLB
5		800	Outdoor		1MM520RRLB ^⑥	3MM520RRLB ^⑥

Notes

- ① For indoor applications where a top endwall with knockouts is needed, order one of part number **MM12N1WLK** for each 125A stack or **MM20N1WLK** for each 200A stack.
- ② 1MM units do not come with 5th jaw.
- ③ To change in field from ring to ringless—order **1MMRC125**.
- ④ To change in field from ring to ringless, the top socket in 125A, two- and three-high stacks use **1MMRC125T**. Top socket only—other sockets see ⑤.
- ⑤ To change in field from ring to ringless—order **1MMRC200**.
- ⑥ Check with local utility for height requirements or restrictions.